

ABSTRACT OF THE DISCLOSURE

Provided is a magnet mounting assembly including a ferromagnetic support plate having a periphery, two opposite faces, and a ferromagnetic plate extension depending from the periphery, and a permanent magnet disposed on the support plate, in which the plate extension has a plurality of heights forming a plurality of legs. A terminal edge of the legs is engagable with a rounded magnetic surface at four non-contiguous locations thereon. The plate extension may form a V-block. Also provided are methods of utilizing such a magnet mounting assembly to securely and stably attach a device, such as a measurement device, to a rounded ferromagnetic surface, such as the exterior surface of a storage tank. A measurement device/storage tank assembly including such a magnet mounting assembly is also provided.